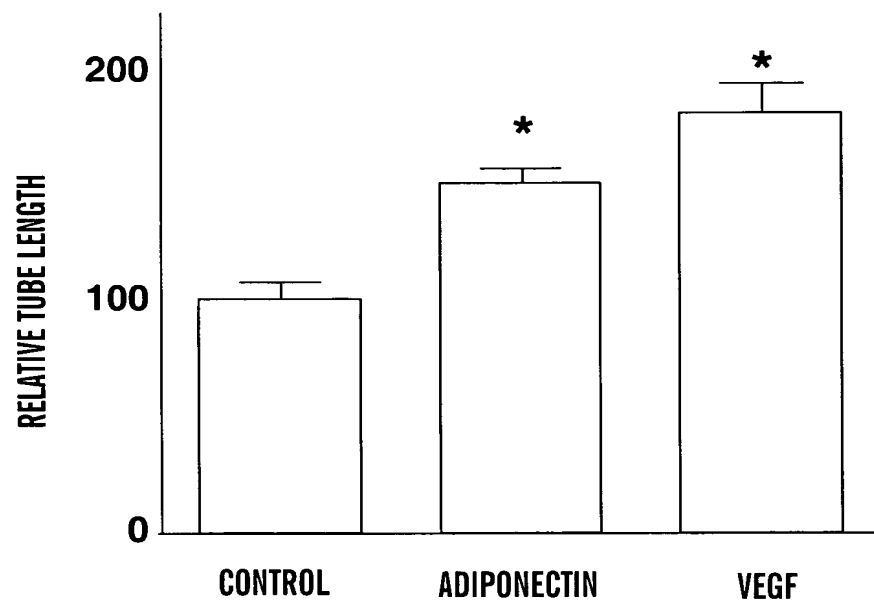
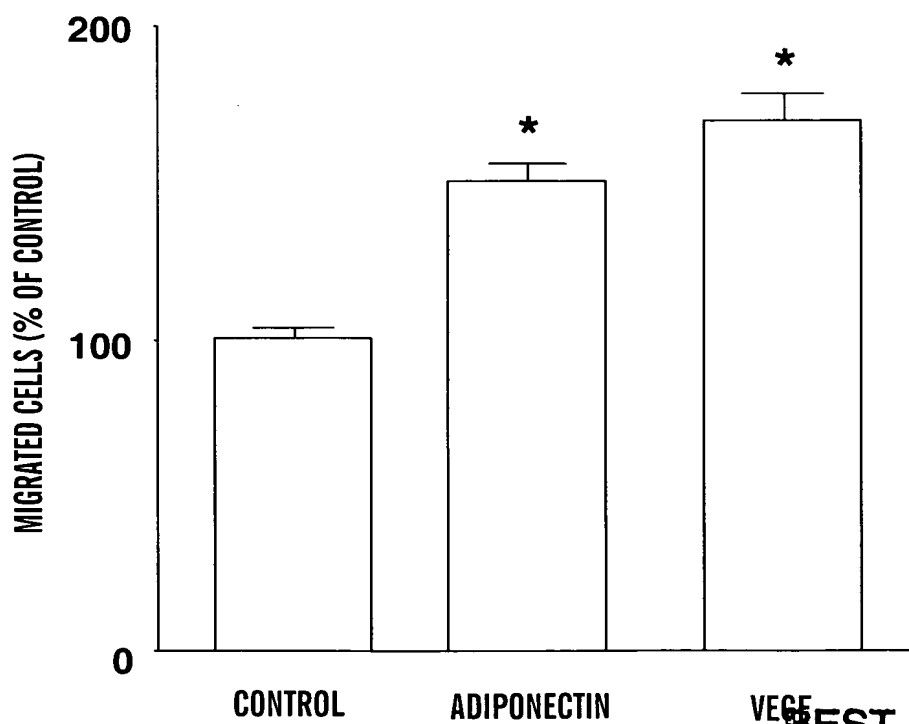




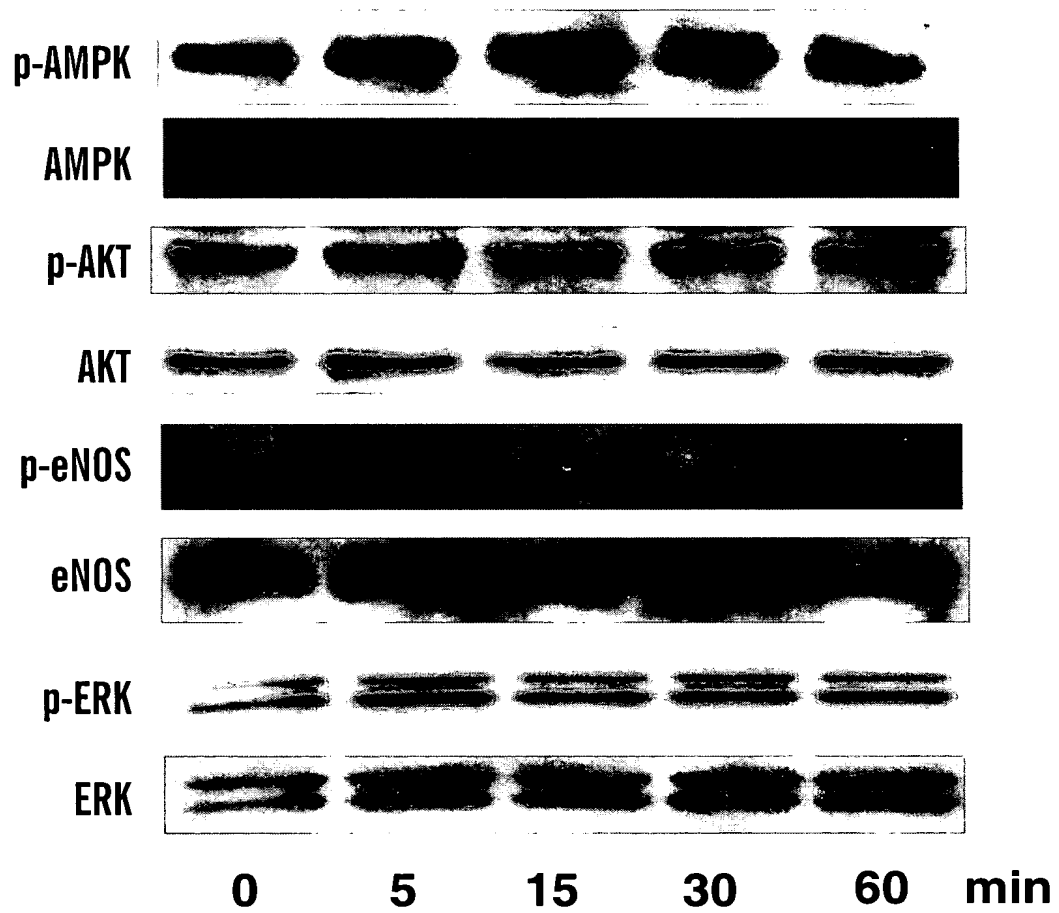
CONTROL

ADIPONECTIN

VEGF

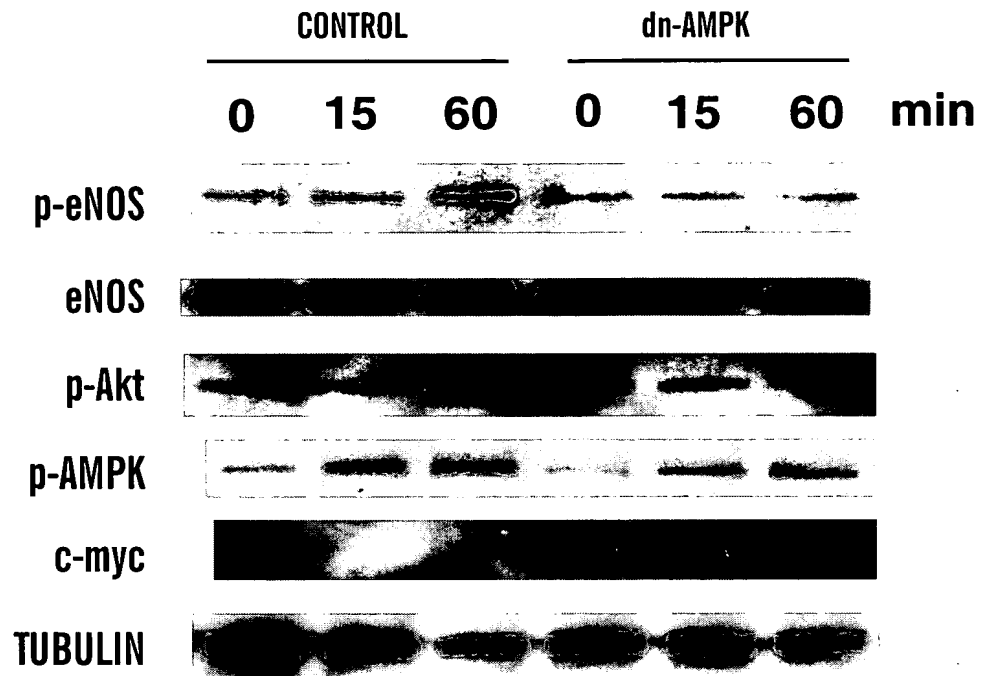
**FIG. 1A****FIG. 1B****FIG. 1C**



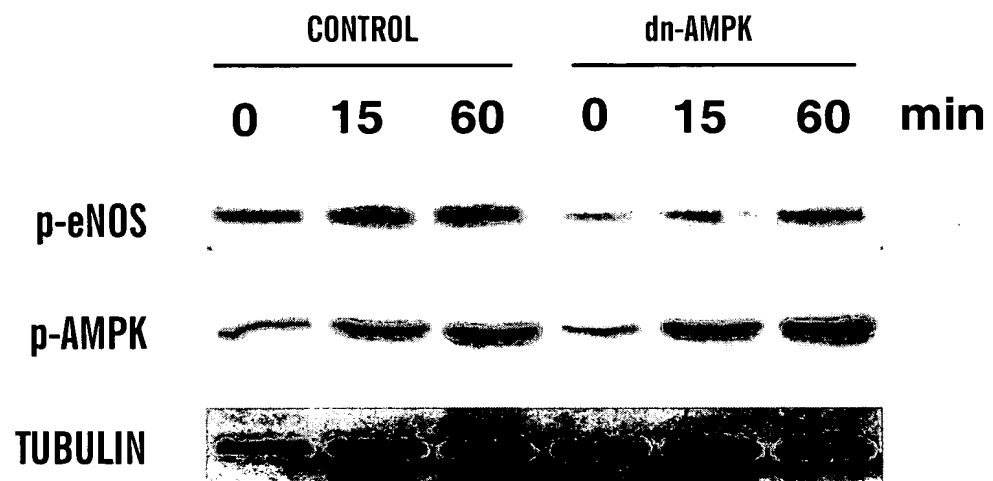
**FIG. 2A**



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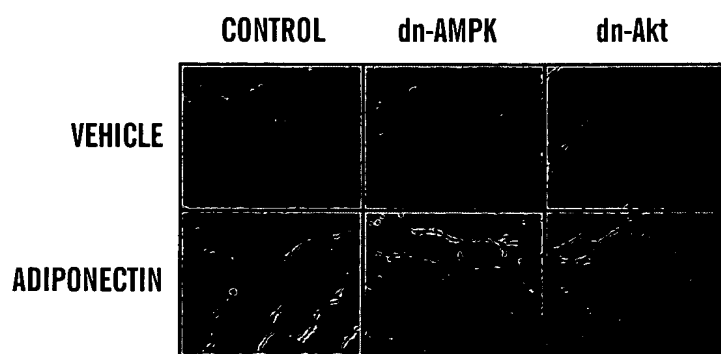
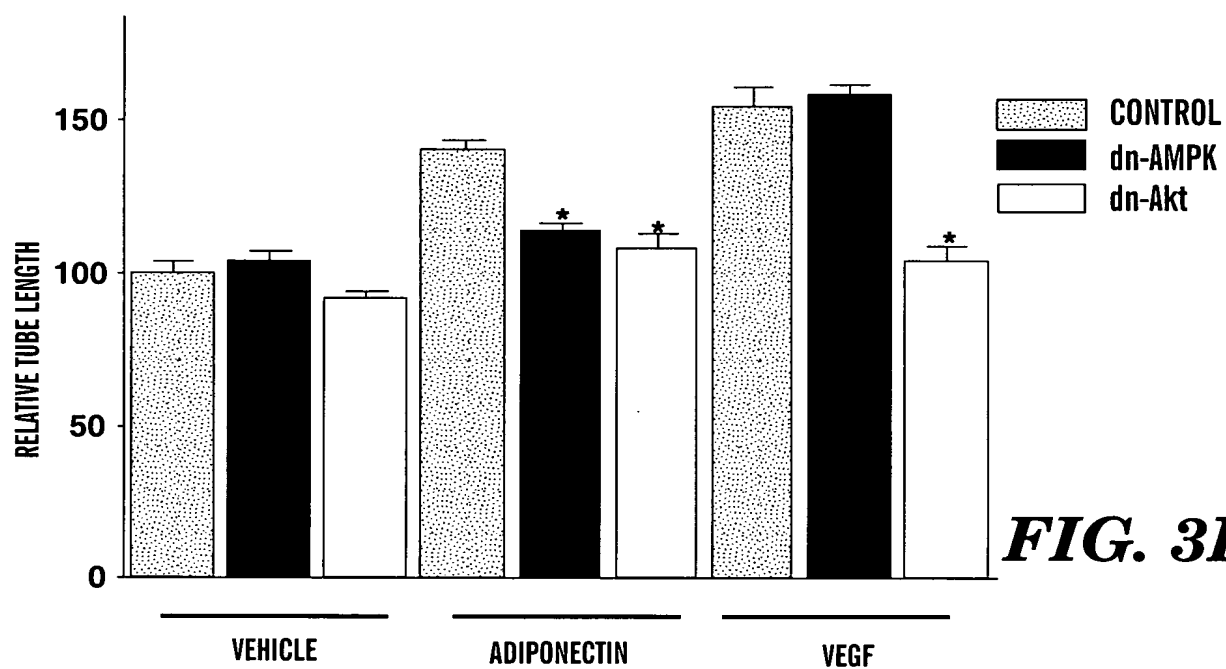
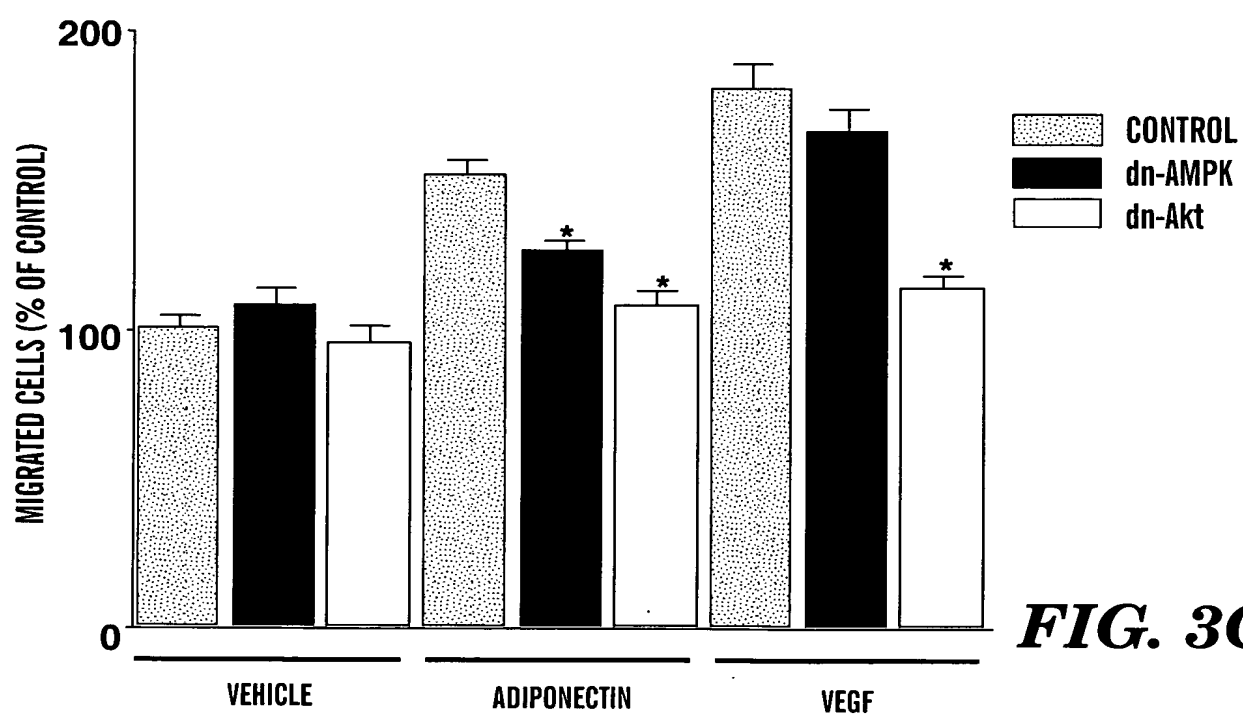


**FIG. 2B**

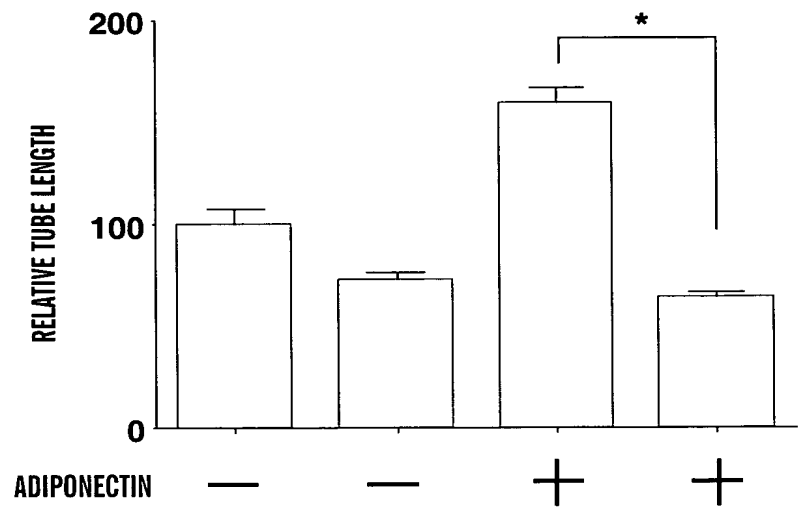


**FIG. 2C**

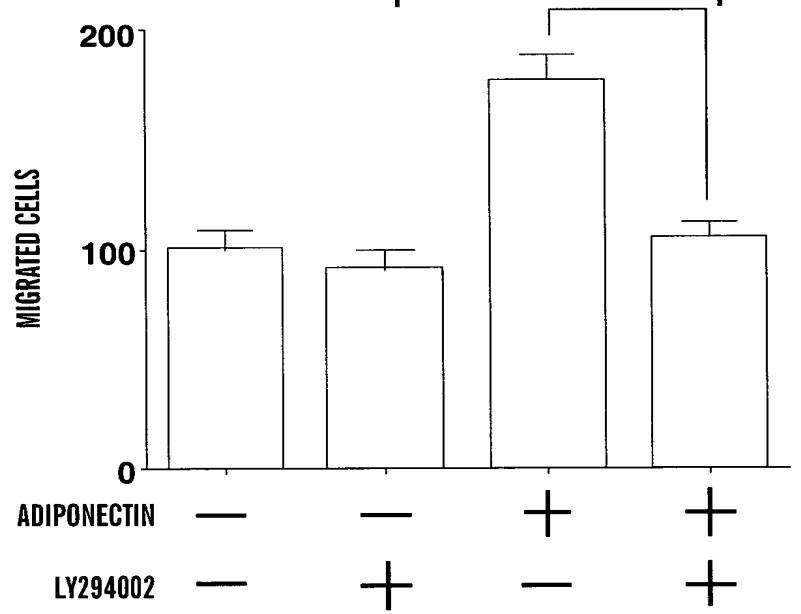


**FIG. 3A****FIG. 3B****FIG. 3C**

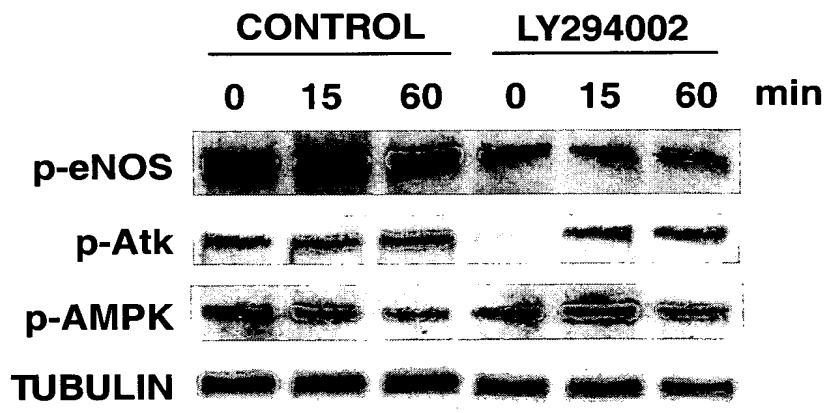




**FIG. 4A**

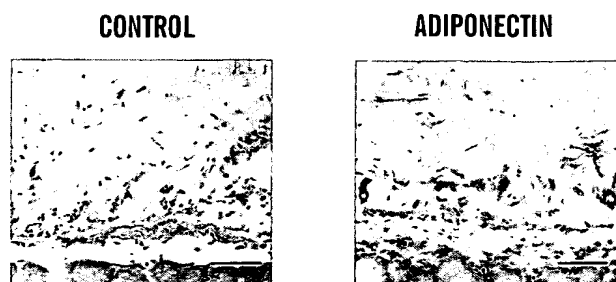
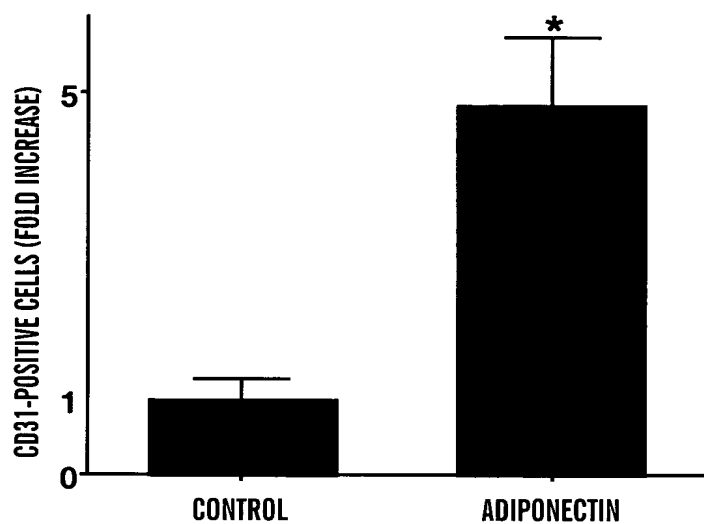
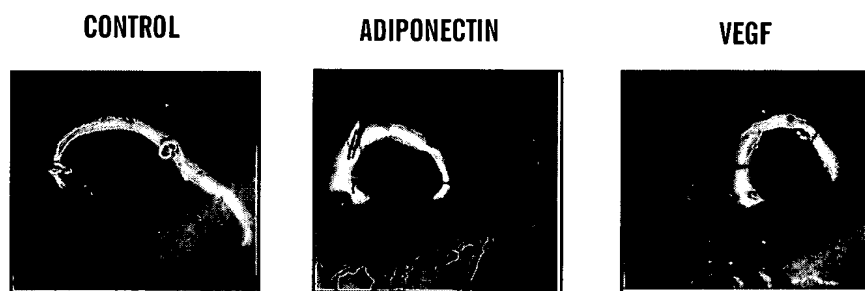
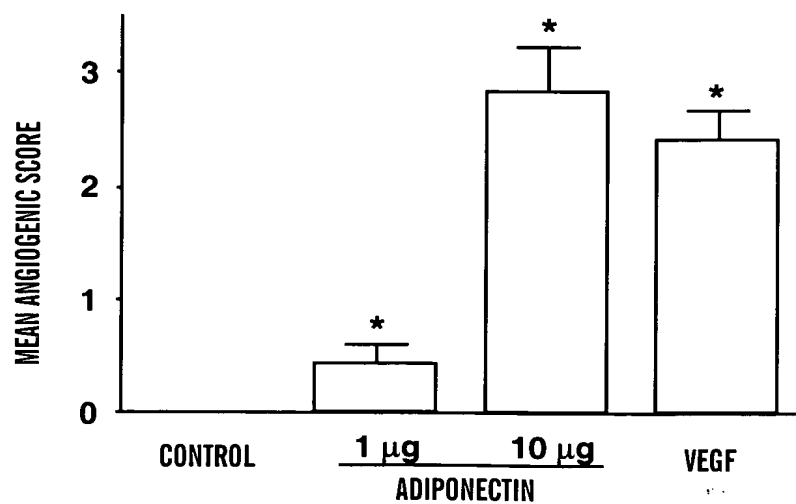


**FIG. 4B**

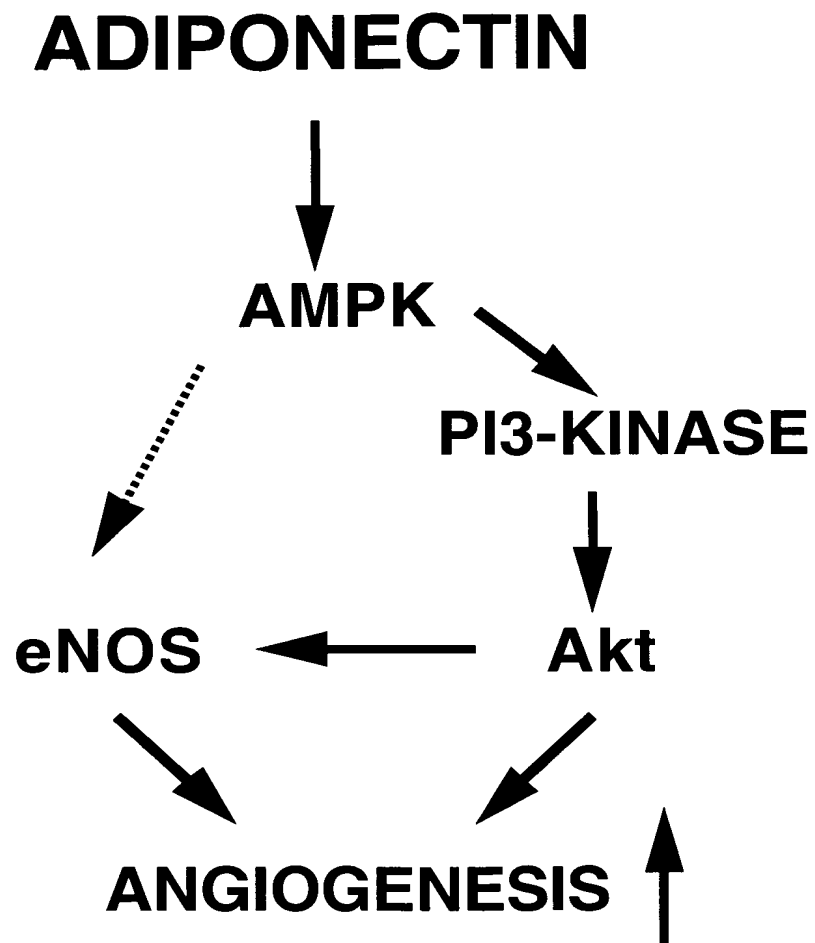


**FIG. 4C**



**FIG. 5A****FIG. 5B****FIG. 5C****FIG. 5D**





***FIG. 6***



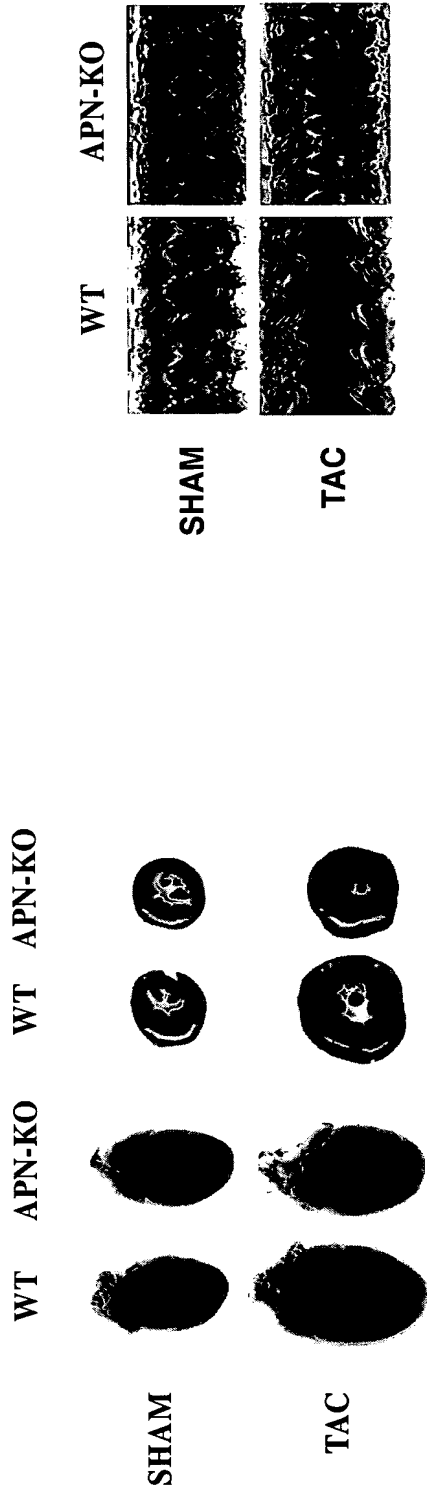
Figure 7. Body weight, hemodynamic and echocardiographic measurements in WT and APN-KO mice at 7 days post-surgery.

(n=5)	BW	HR	SBP	LVEDD	LVED	IVS	LVPW	FS	LVPW/LVEDD
	(g)	(bpm)	(mmHg)	(mm)	(mm)	(mm)	(mm)	(%)	
WT-sham	25.2±2.1	537±83	111±8	2.84±0.16	1.22±0.13	0.74±0.05	0.76±0.05	56.8±2.94	0.27±0.03
WT-TAC	25.6±1.9	562±68	195±5 <sup>C</sup>	3.20±0.29 <sup>A</sup>	1.65±0.35 <sup>A</sup>	1.02±0.08 <sup>A</sup>	1.06±0.05 <sup>A</sup>	48.3±8.11 <sup>A</sup>	0.34±0.04 <sup>A</sup>
APN KO-sham	25.3±1.6	551±43	116±3	2.92±0.08	1.26±0.15	0.72±0.08	0.74±0.05	56.9±7.43	0.25±0.02
APN KO-TAC	26.3±1.4	562±61	196±20 <sup>C</sup>	1.80±0.23 <sup>B</sup>	0.62±0.13 <sup>B</sup>	1.38±0.16 <sup>B</sup>	1.42±0.11 <sup>B</sup>	65.2±3.29 <sup>B</sup>	0.79±0.09 <sup>B</sup>

<sup>A</sup>P<0.05 vs. WT-sham, <sup>B</sup>P<0.05 vs. WT-TAC, <sup>C</sup>P<0.01 vs. WT-sham

FIG. 7

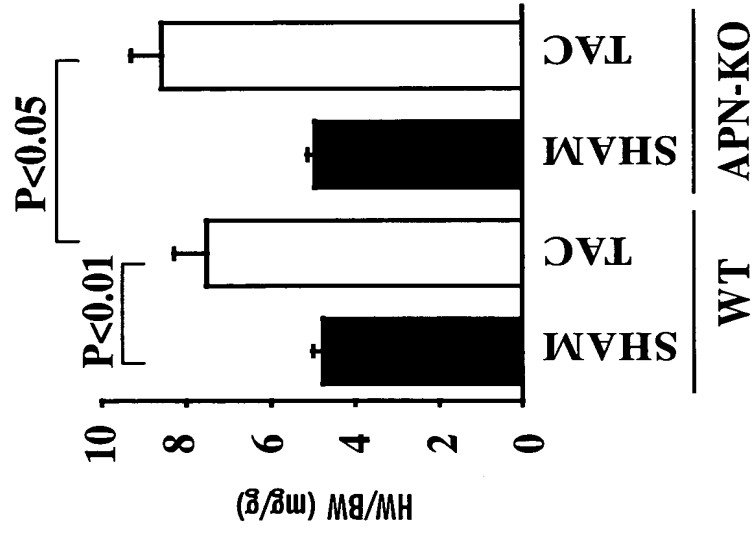




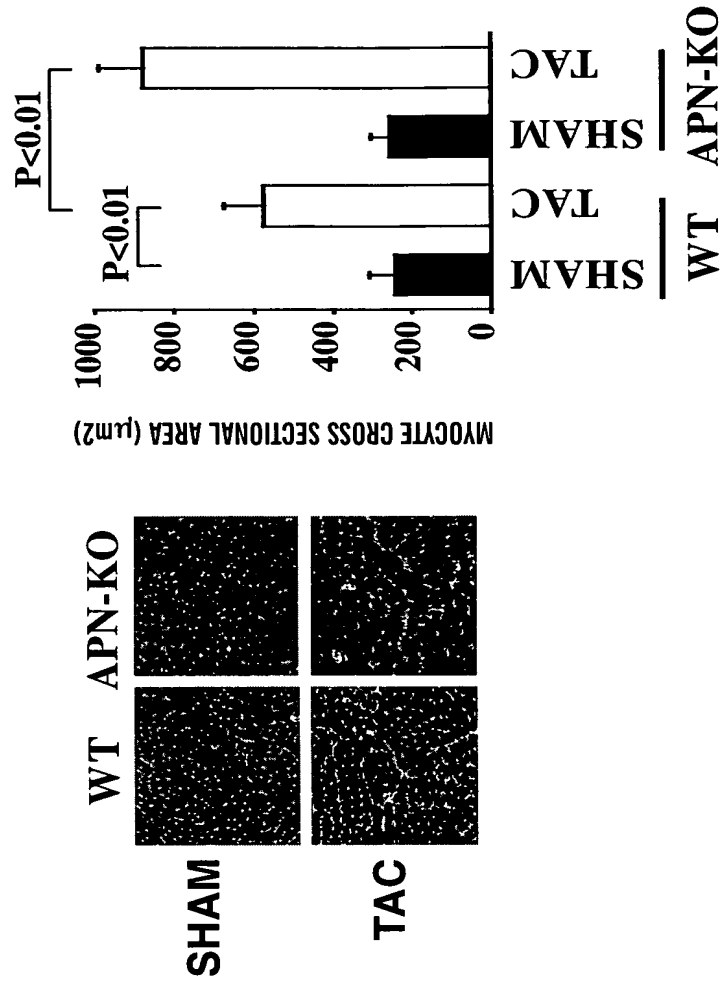
*FIG. 8B*

*FIG. 8A*



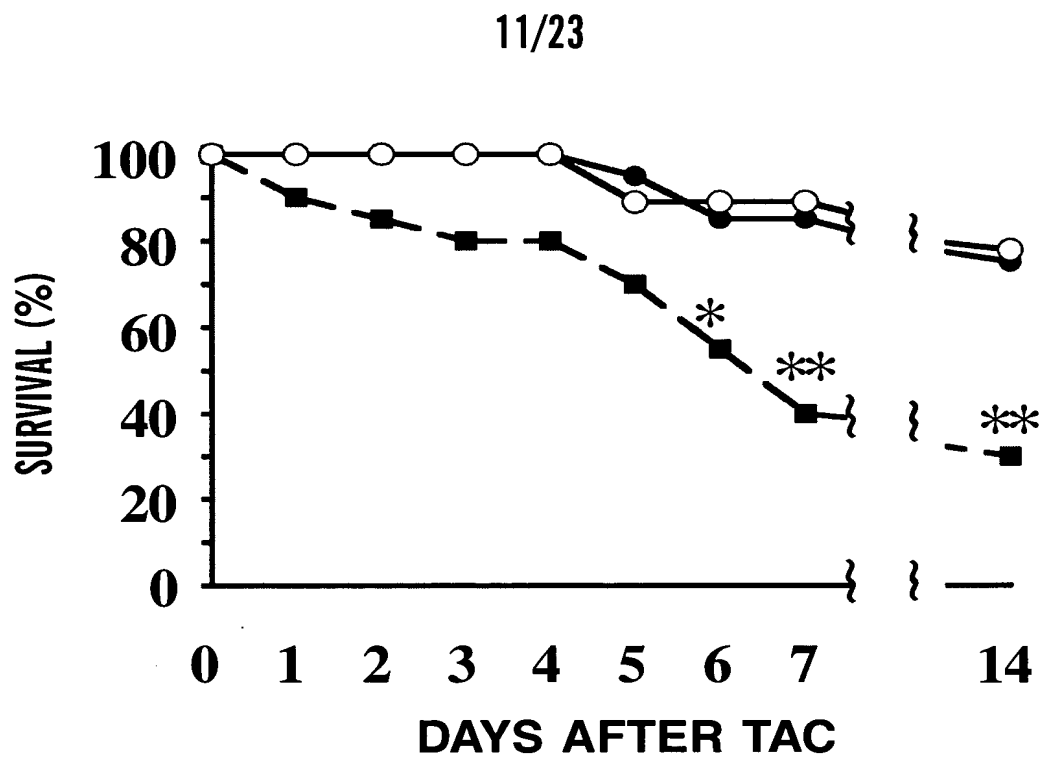


**FIG. 8C**

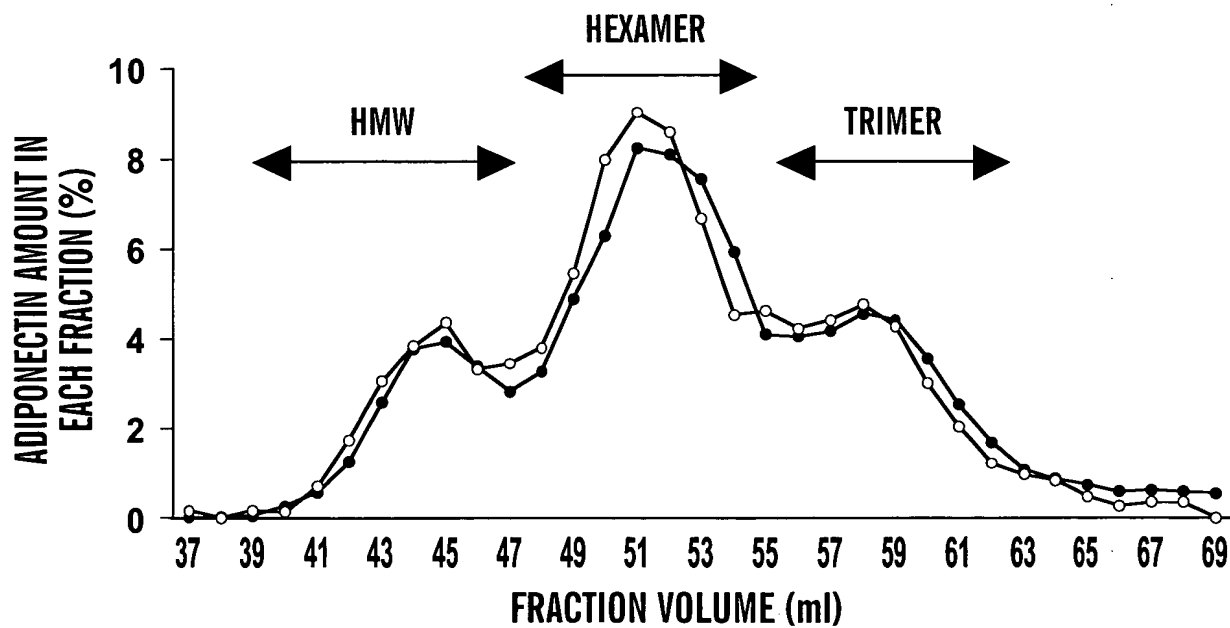


**FIG. 8D**



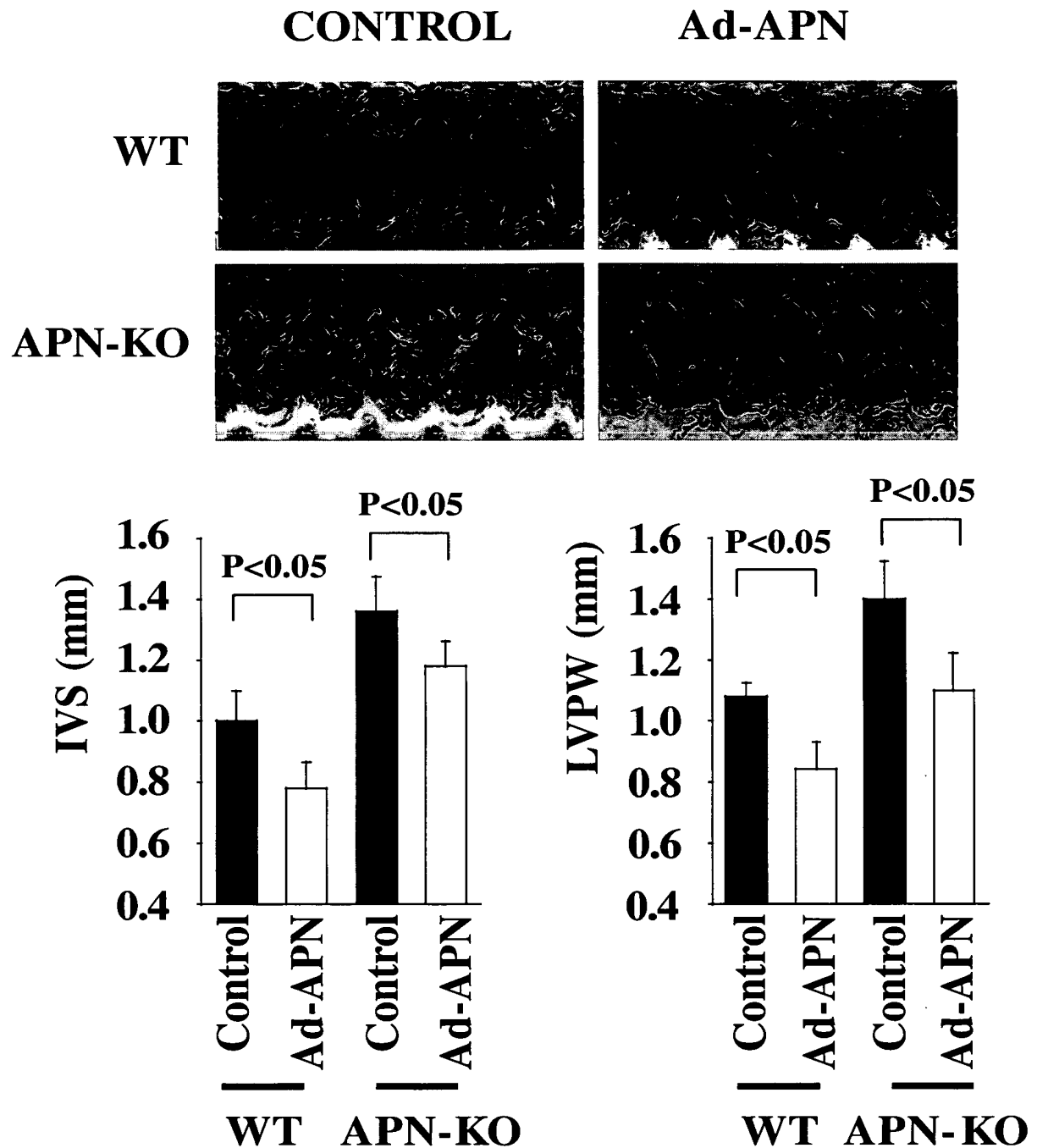


**FIG. 8E**

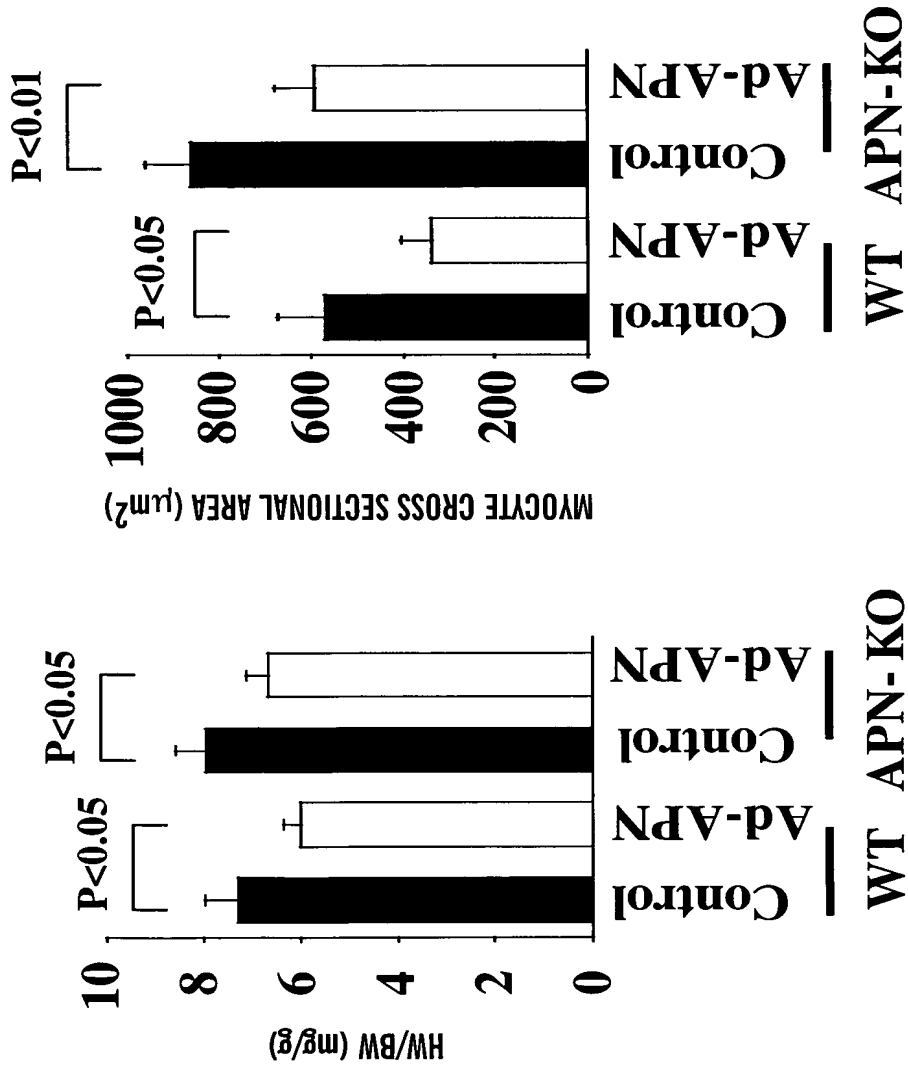


**FIG. 8F**



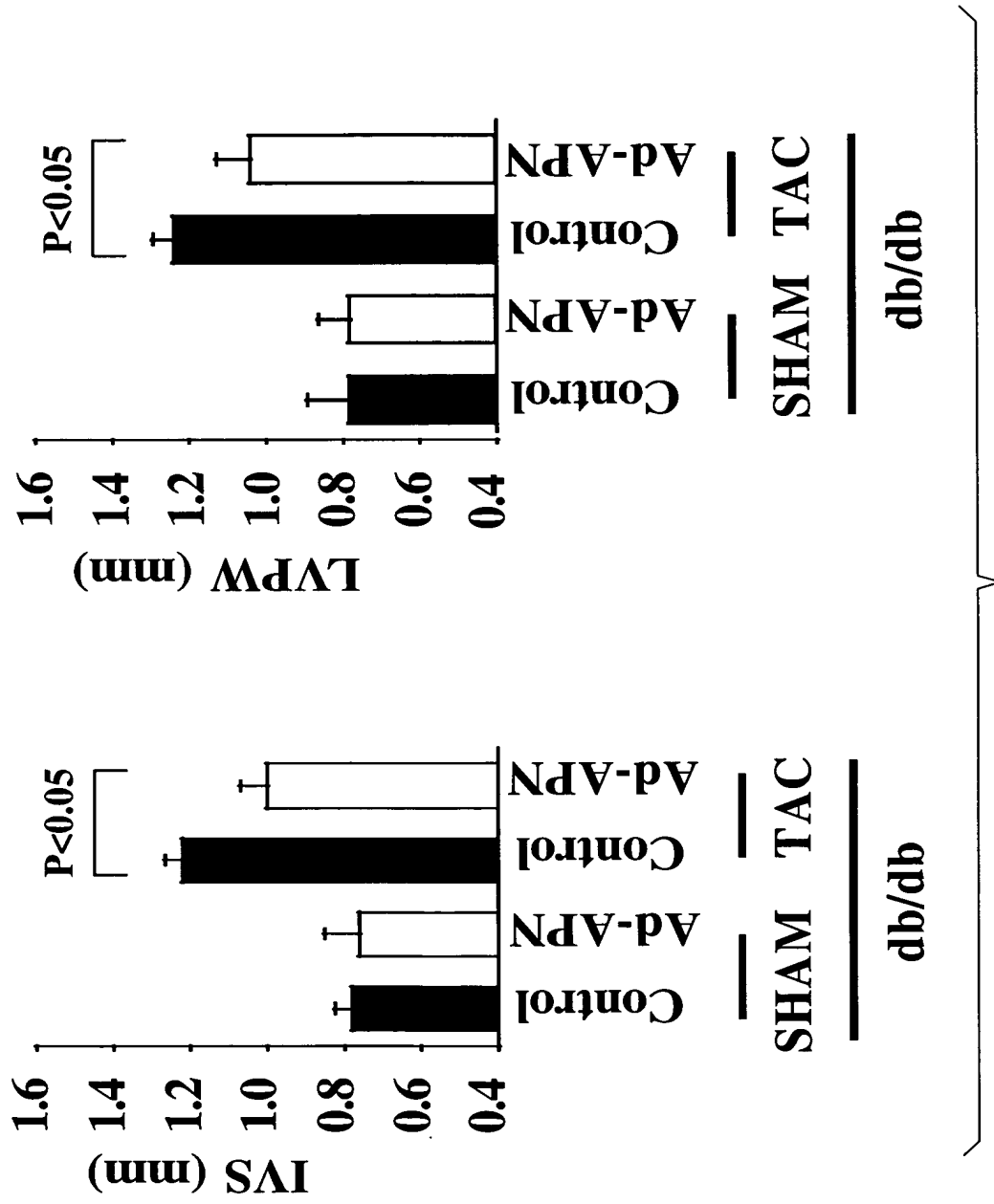
**FIG. 8G**



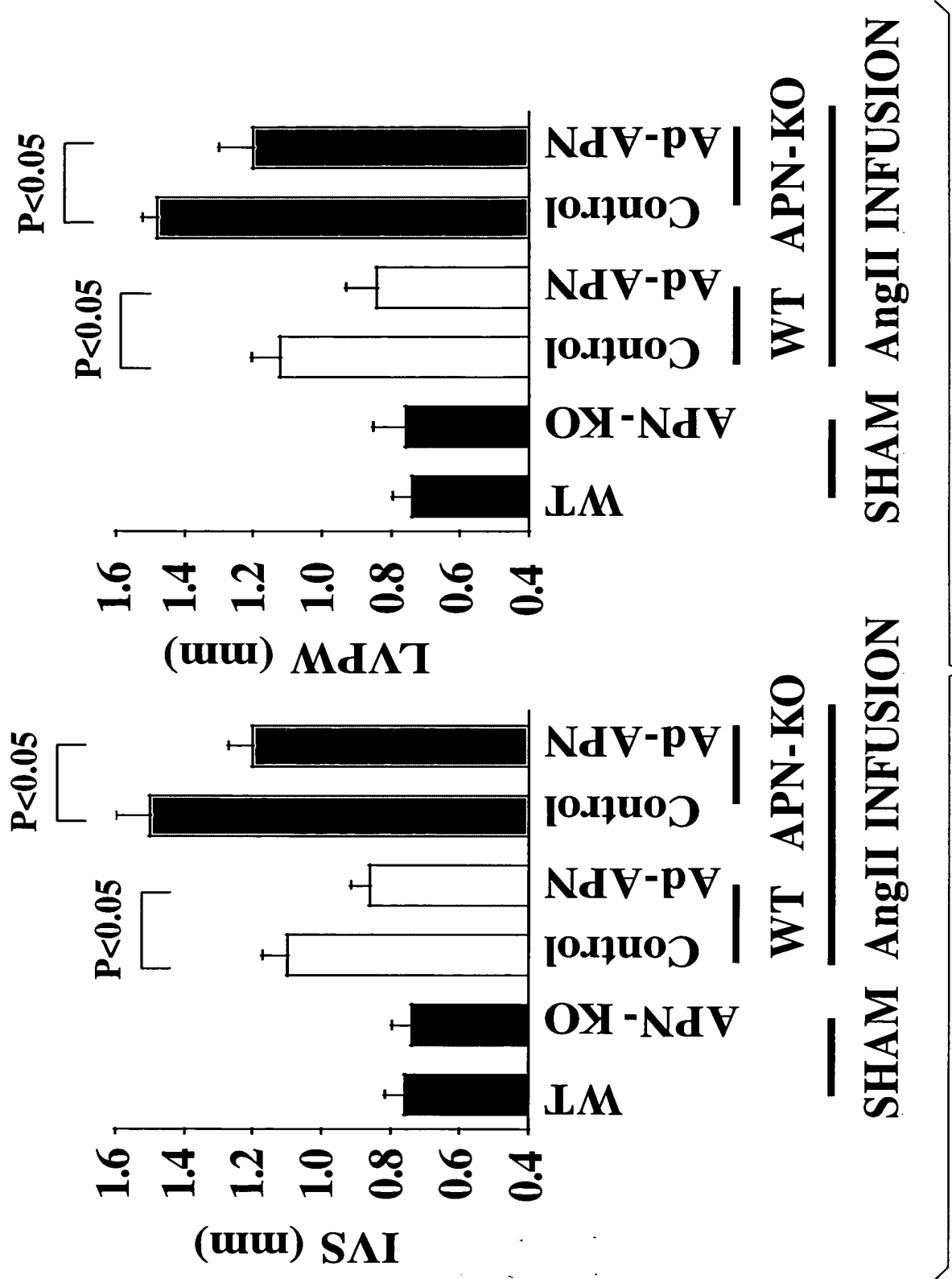


**FIG. 8H**



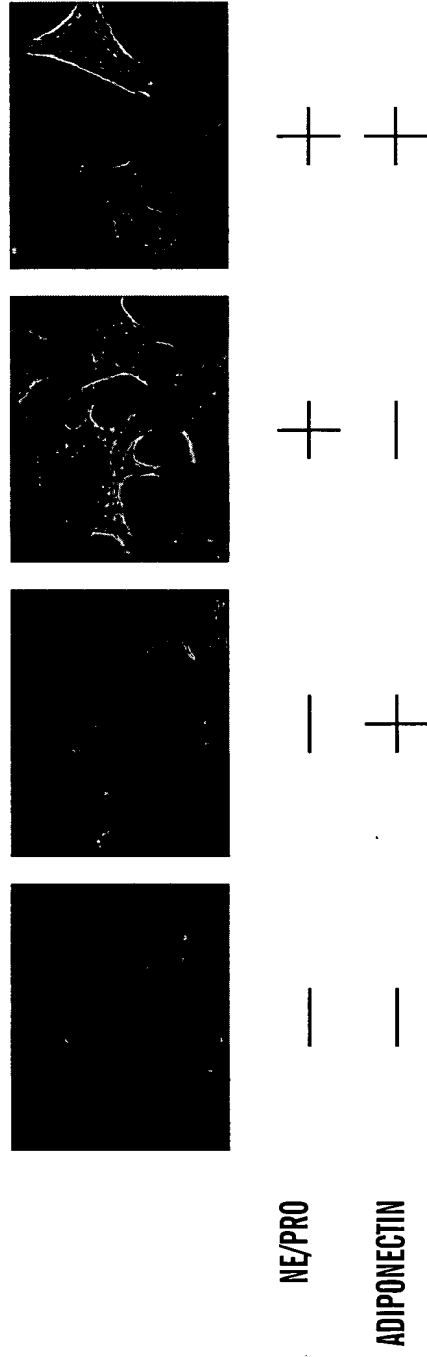
**FIG. 8I**





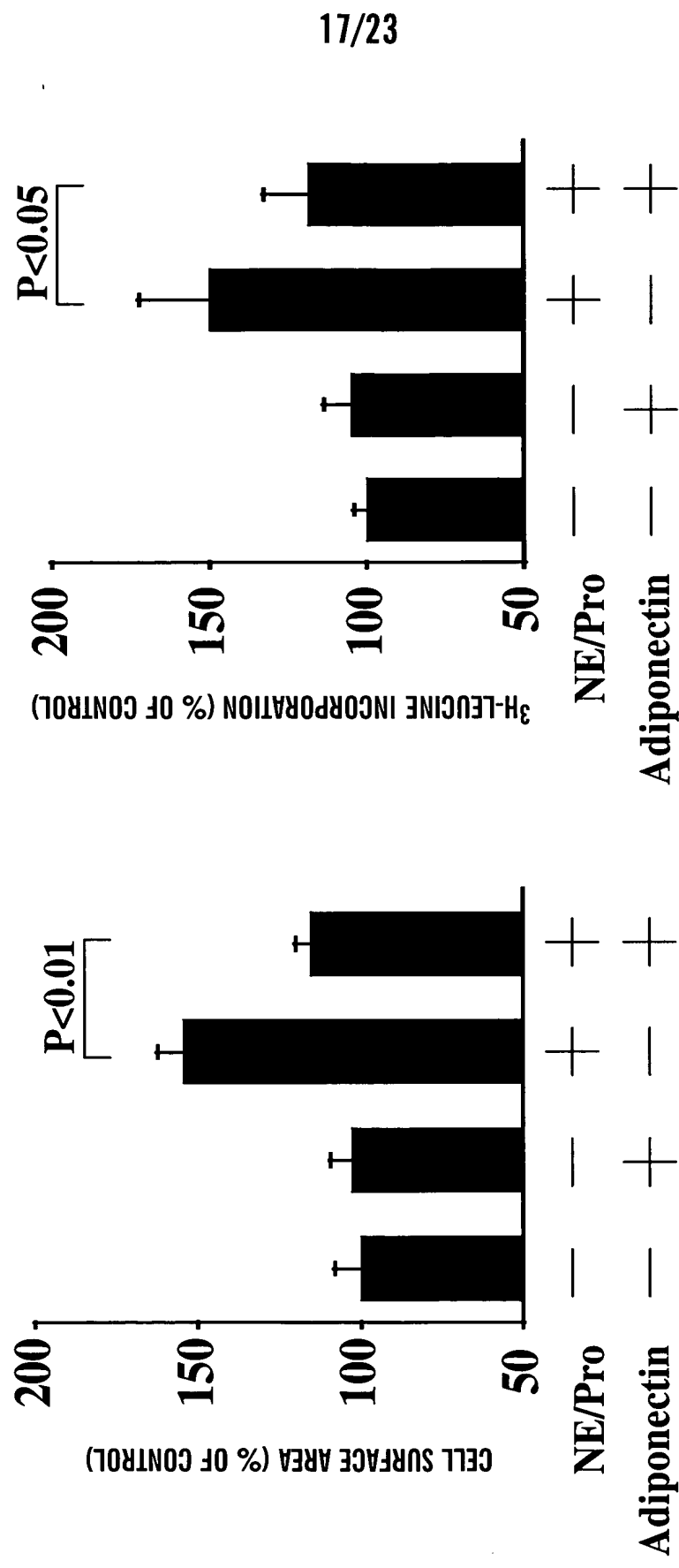
**FIG. 8J**





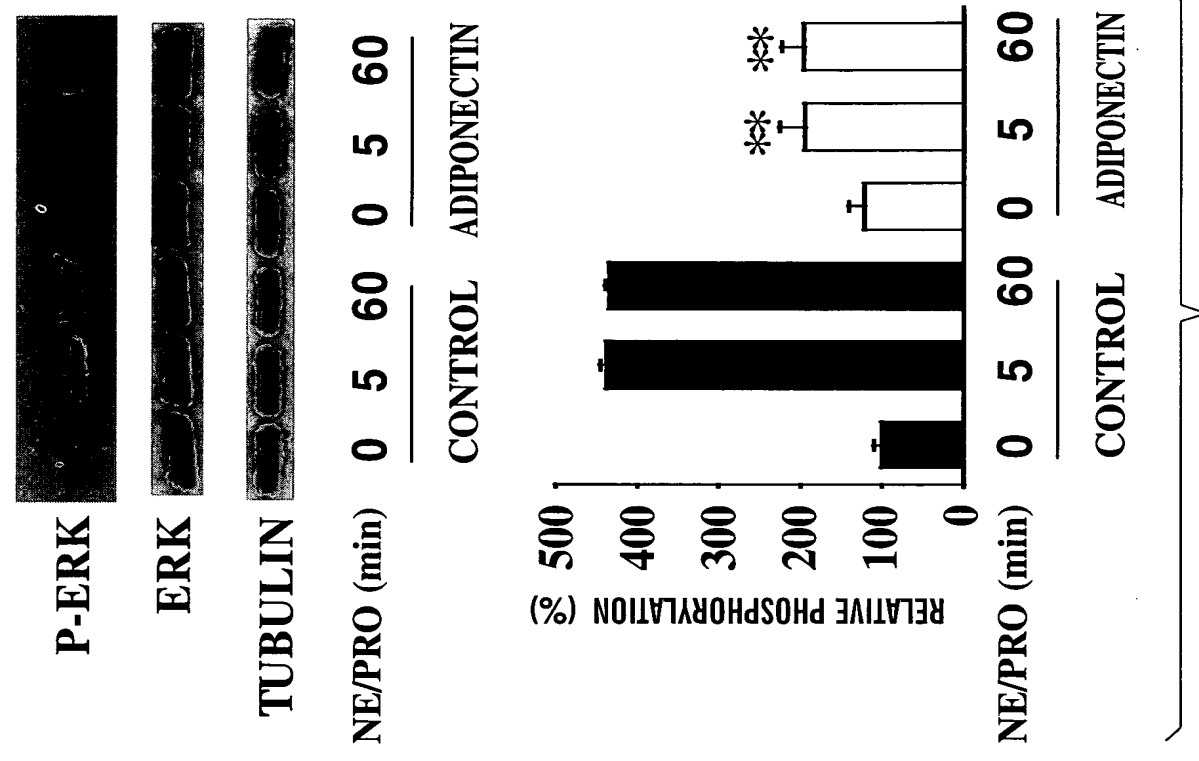
**FIG. 9A**



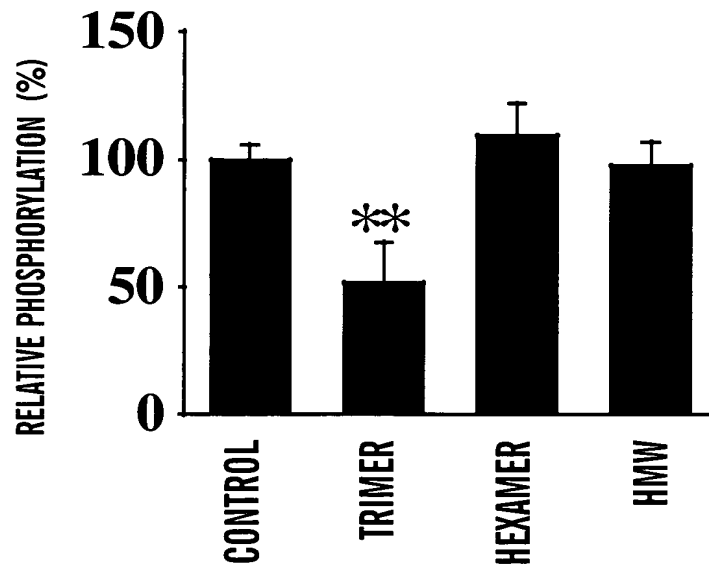
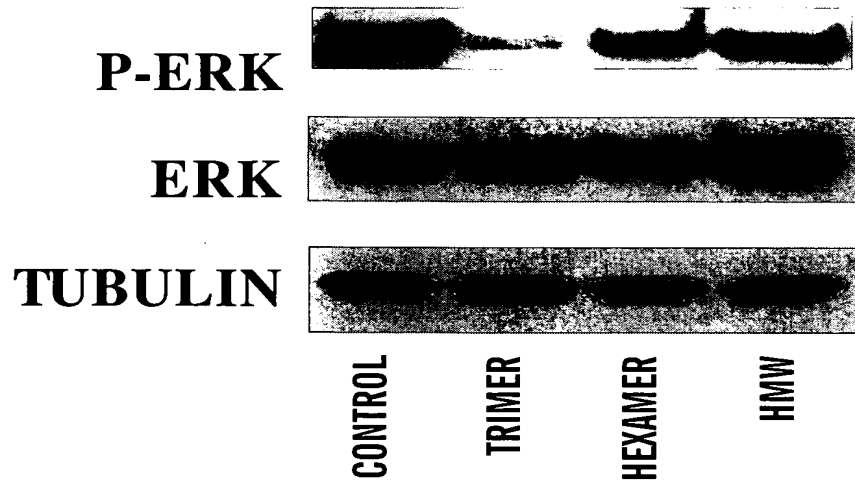


**FIG. 9B**



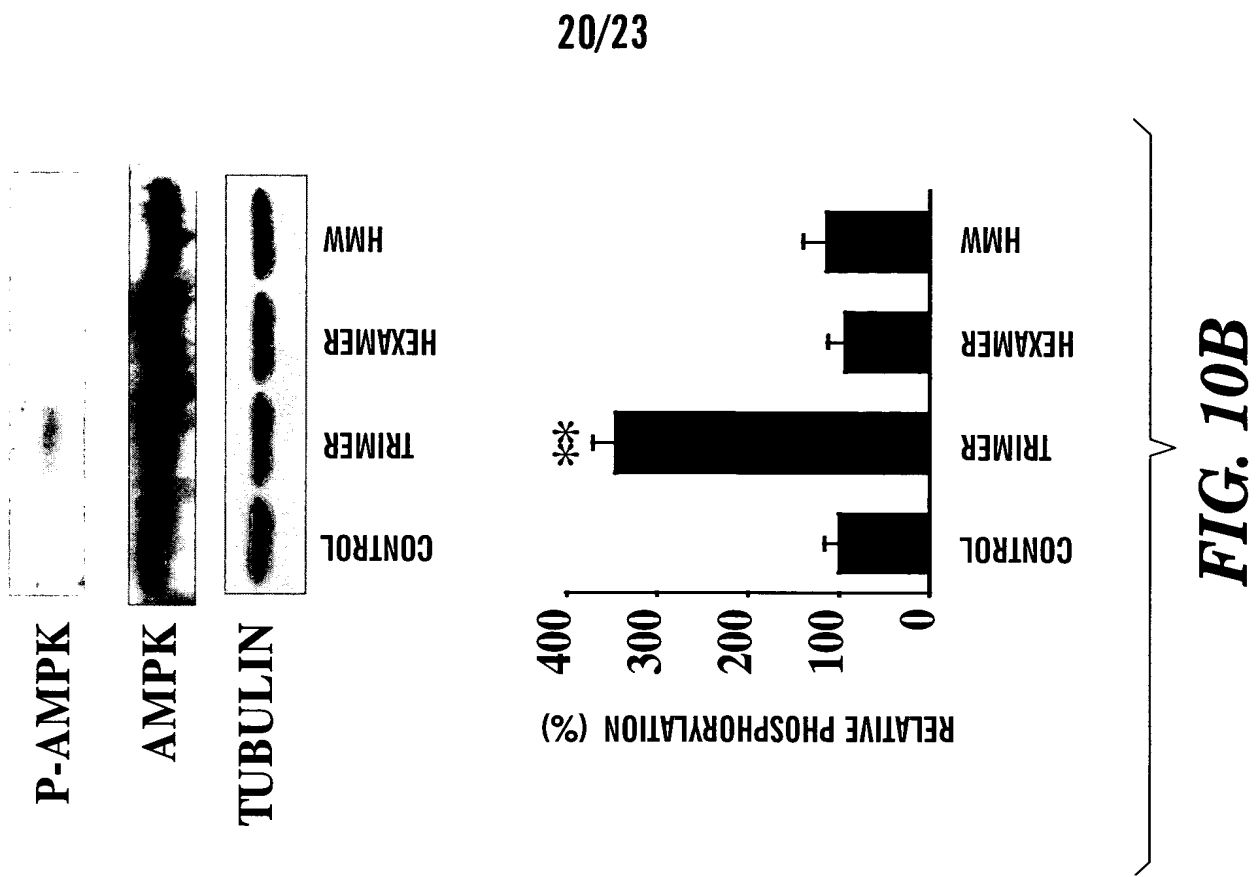






**FIG. 9E**

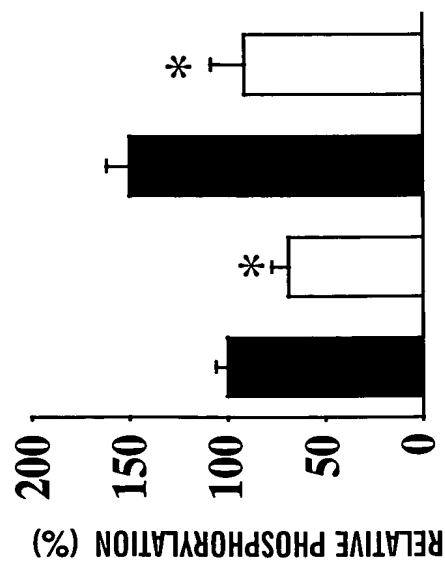






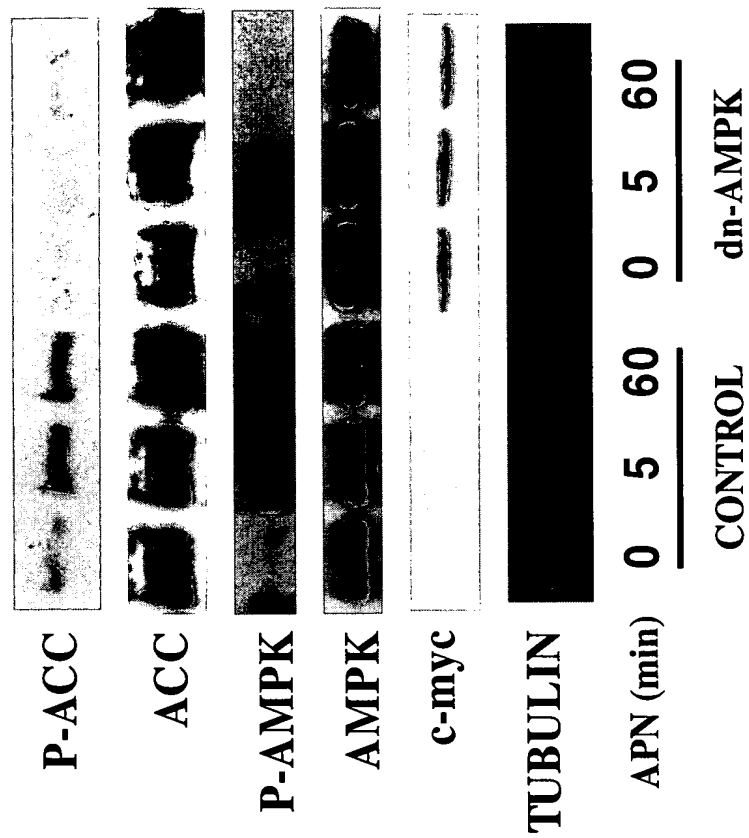


WT KO WT KO  
SHAM TAC



WT KO WT KO  
SHAM TAC

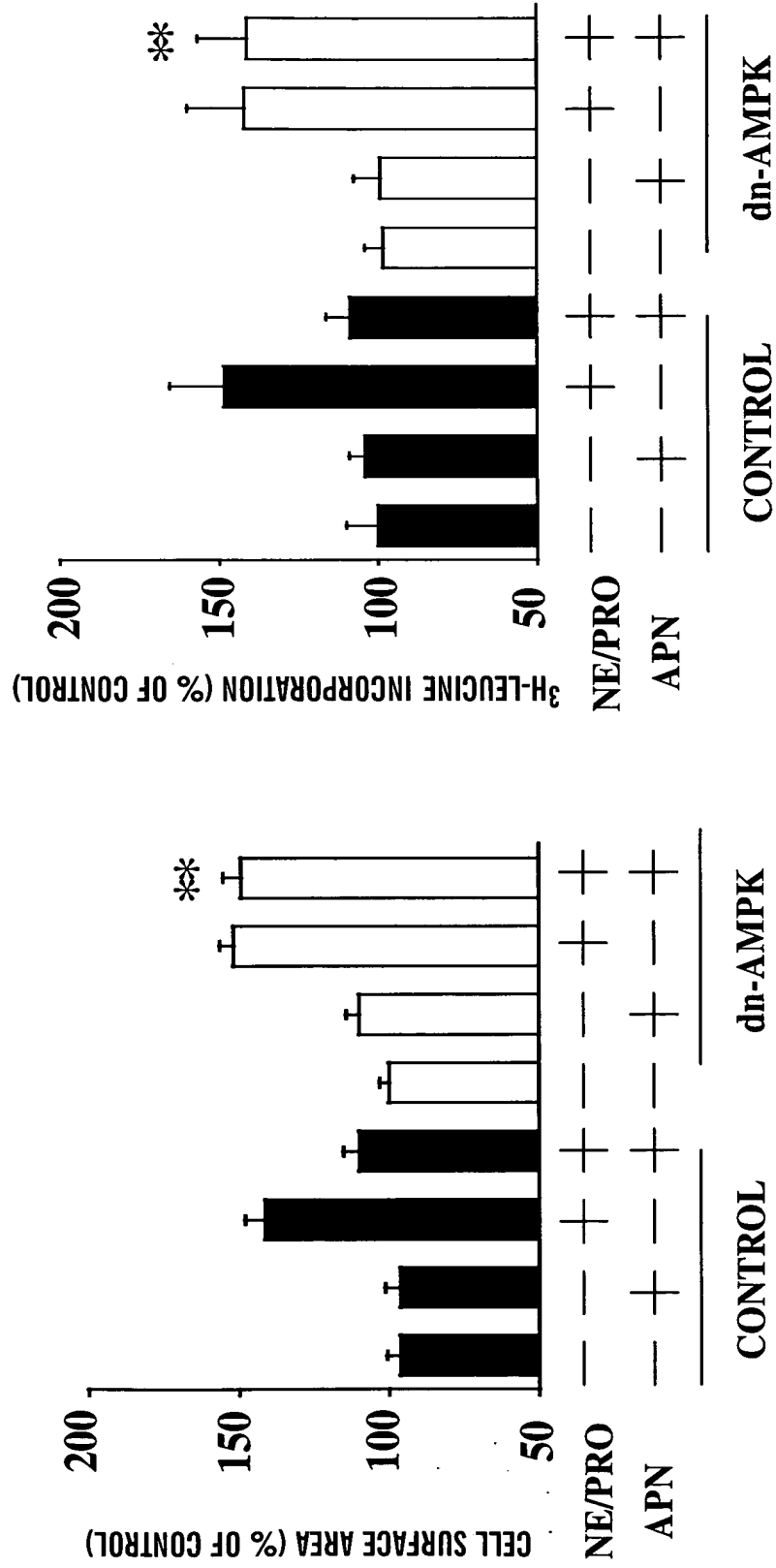
**FIG. 10C**



APN (min) 0 5 60 0 5 60  
CONTROL dn-AMPK

**FIG. 10D**





**FIG. 10E**



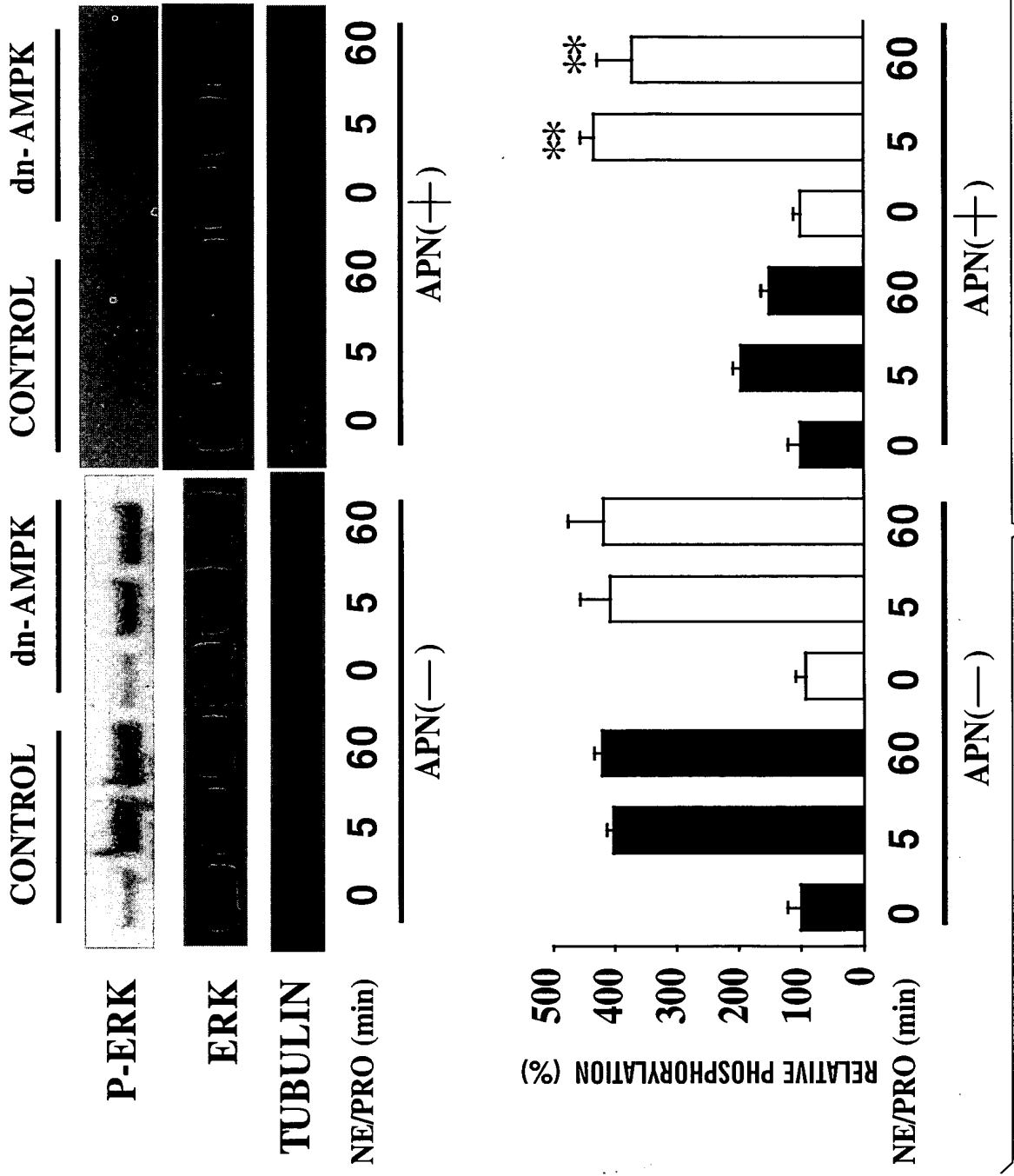


FIG. 10F



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